

Department of Physiology
The University of Chicago,
Chicago, Illinois
April 8, 1952

Doctor Joshua Lederberg
Department of Genetics
University of Wisconsin
Madison, Wisconsin

Dear Doctor Lederberg:

I am anticipating doing some chemical kinetic studies on adaptive enzyme synthesis and I would appreciate it very much if you would send me a culture of the mutant strain of E. Coli K-12, which you designate as Lac_z^- . The strain that I am referring to has a single genetic locus with a triple deficiency of glucose hexokinase, amylomaltase, and lactase, at 40° C, but gives a wild type phenotype at 25° C. It would also be of considerable assistance if you could tell me what, if any, other nutritional deficiencies this strain possesses.

Yours very truly,

Jay Boyd Best

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